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APPLICATION NO. FILING DATE		NG DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/533,728	05/03/2005		Rolf Friedrich Philipp Becker	CH 020034 5935	
65913	7590	02/08/2008	EXAMINER		IINER
	LECTUAL	PROPERTY DEPA	HU, RUI MENG		
M/S41-SJ 1109 MCKAY DRIVE				ART UNIT	PAPER NUMBER
	SAN JOSE, CA 95131			2618	
				NOTIFICATION DATE	DELIVERY MODE
				02/08/2008	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

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	Application No.	Applicant(s)				
Office Action Summary	10/533,728	BECKER, ROLF FRIEDRICH PHILIPP				
	Examiner	Art Unit				
	RuiMeng Hu	2618				
The MAILING DATE of this communication app Period for Reply	pears on the cover sheet with the c	correspondence address				
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING D - Extensions of time may be available under the provisions of 37 CFR 1.1 after SIX (6) MONTHS from the mailing date of this communication. If NO period for reply is specified above, the maximum statutory period Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION (36(a). In no event, however, may a reply be tirm will apply and will expire SIX (6) MONTHS from e, cause the application to become AB ANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on 17 J	anuary 2008.					
	s action is non-final.					
3) Since this application is in condition for allowa	·—					
closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims		*				
4) Claim(s) 1-7 is/are pending in the application.						
4a) Of the above claim(s) is/are withdra	4a) Of the above claim(s) is/are withdrawn from consideration.					
S) Claim(s) is/are allowed.						
6)⊠ Claim(s) <u>1-7</u> is/are rejected.						
P₁ 7) Claim(s) is/are objected to.						
8) Claim(s) are subject to restriction and/o	r election requirement.					
Application Papers						
9) The specification is objected to by the Examine	er.	·				
10)⊠ The drawing(s) filed on <u>03 May 2005</u> is/are: a)	⊠ accepted or b) ☐ objected to	by the Examiner.				
Applicant may not request that any objection to the	drawing(s) be held in abeyance. Se	e 37 CFR 1.85(a).				
Replacement drawing sheet(s) including the correct	tion is required if the drawing(s) is ob	jected to. See 37 CFR 1.121(d).				
11)☐ The oath or declaration is objected to by the Ex	xaminer. Note the attached Office	Action or form PTO-152.				
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).						
a) ☐ All b) ☐ Some * c) ☐ None of:	. bassa bassa assassad					
 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 						
3. Copies of the certified copies of the prior						
application from the International Burea	•	eu iii tiiis National Stage				
* See the attached detailed Office action for a list	• • • • • • • • • • • • • • • • • • • •	ed				
222 M. S.						
Attachment(s)						
1) Notice of References Cited (PTO-892)	4) Interview Summary					
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08)	Paper No(s)/Mail Do					
Paper No(s)/Mail Date	6) Other:	T.				

DETAILED ACTION

Response to Arguments

1. Applicant's arguments filed on 01/17/2008 have been fully considered but they are not persuasive.

Applicant argues that the secondary reference Sakami et al. fail to disclose tuning capacitors for tuning to the transmit frequency.

The examiner respectfully submits that the teaching of a tuning circuit comprising a tunable capacitance diode for tuning to a transmit frequency is well known in the art, i.e. Sakami et al. clearly disclose a tuning circuit 1 carries out the selection of the various radio frequency signals applied from an antenna, wherein the tuning circuit 1 comprising tunable capacitors (variable capacitance diode) for tuning to the transmit frequency (column 1 lines 10-15, 63-68, Abstract, figure 1, tuning circuit 1 comprises a variable capacitance diode).

Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to incorporate the selection technique taught by Sakami et al. into the art of Younis as to include tunable capacitors for tuning to a predetermined broadcasting frequency to receive time data.

Response to Amendment

Claim Rejections - 35 USC § 103

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

- (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 3. The factual inquiries set forth in *Graham* v. *John Deere Co.*, 383 U.S. 1, 148 USPQ 459 (1966), that are applied for establishing a background for determining obviousness under 35 U.S.C. 103(a) are summarized as follows:
 - 1. Determining the scope and contents of the prior art.
 - 2. Ascertaining the differences between the prior art and the claims at issue.
 - 3. Resolving the level of ordinary skill in the pertinent art.
 - 4. Considering objective evidence present in the application indicating

obviousness or nonobviousness.

4. Claims 1-5, 7 are rejected under 35 U.S.C. 103(a) as being unpatentable over Younis (US 2002/0168988) in view of Miyano et al. (GB 2238438) and Sakami et al. (US Patent 4315332).

Consider **claim 1**, Younis discloses a mobile radio (figure 5, wireless device 100) comprising a GSM receiving branch (paragraph 27, figure 7, Communications

Transceiver branch includes amplifier 152B and BPF 154B), an analog-to-digital converter (figure 7, A/D 168) next in line for converting analog signals into digital signals, a digital signal processor (figure 7, DSP 170) for reconstructing and processing the received signals, a system controller (figure 5, control processor 112) for controlling the components of the mobile radio, a real time circuit (figure 5, local clock w-clock 114), in which a further receiving unit (figure 7, GPS receiving branch includes amplifier 152A and BPF 154A) is arranged for receiving a time reference signal (paragraph 35, GPS time), which further receiving branch comprises an antenna

(figure 7, antenna 150) for receiving time reference signals, an amplifier (figure 7, amplifier 152A) for amplifying the received time reference signal, and a multiplex unit (figure 7, switch 156 is equivalent to a multiplex unit) inserted between the GSM receiving branch and the analog-to-digital converter (figure 7, A/D 168), which multiplex unit (figure 7, switch 156) can be supplied with the received analog mobile radio signal (communication transceiver branch) and the time reference signal (GPS receiving branch) and in which mobile radio the received time reference signal can be applied at a predetermined instant to the digital signal processor (DSP 170) for demodulation and filtering (figure 7) and to the system controller (figure 5, control processor 112, paragraphs 39-40, the control processor 112 is coupled to a timing source W CLOCK 114, which maintains a local time for the wireless device 100; the received GPS signal is decoded by the DSP 110; and the DSP 110 and control processor 112 may be implemented as a single processor, a plurality of processors or a combination of processors and dedicated circuitry including application specific integrated circuits (ASICs)) for decoding, and there is provided to update the real-time circuit with the decoded time reference signal (paragraph 35, local clock w-clock 114 is synchronized with GPS time).

Younis shows three different embodiments of the receiving section (figures 5-7), figure 7 shows three receiving branches; each branch amplifies and filters the distinctive received signal, however, the circuitry of figure 7 has one shared receiving unit which comprises a tuning and down converting section (figure 7, elements 158,160,162,164 and 166). In the same reference, Figure 6 shows three different

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receiving units (104,106 and 108), each receiving unit comprises a tuning and down converting section (for example, the receiving unit 104 comprises elements 128A, 126A, 130A, 132A, 134A and 136A for tuning and down converting signal). Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to incorporate the selection technique of figure 6 as to modify the circuitry of figure 7 in which to include a tuning and down converting section on every receiving branch instead of using one shared receiving unit, as a result the three different signals could be received and established at the same time, therefore switching and processing time could be reduced.

Younis fails to specifically disclose a real-time circuit comprising an oscillator and a display for displaying information.

In the same field of endeavor, Miyano et al. disclose a real-time circuit comprising an oscillator and a display for displaying information (figure 1, Oscillator 22 and Display 21, claim 1).

Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to incorporate the selection technique taught by Miyano et al. into the art of Younis as to include an oscillator for driving the local clock (real time clock) and a display unit for displaying current local time.

Younis fails to specifically disclose tunable capacitors for tuning to the transmit frequency.

In the same field of endeavor, Sakami et al. disclose tunable capacitors for tuning to the transmit frequency (column 1 lines 10-15, variable capacitance diode, Abstract, figure 1, tuning unit 1 comprises variable capacitance diode).

Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to incorporate the selection technique taught by Sakami et al. into the art of Younis as to include tunable capacitors for tuning to a predetermined broadcasting frequency to receive time data.

Consider claim 2 as applied to claim 1, Younis as modified by Miyano et al. and Sakami et al. discloses characterized in that the multiplex unit can be controlled by the system controller (figure 7, paragraph 45, switch 156 is controlled to select a received signal).

Consider claim 3 as applied to claim 1, Younis as modified by Miyano et al. and Sakami et al. discloses characterized in that the tunable capacitance can be set by the system controller (Sakami et al., Abstract, tuning to receive more than two preset broadcasting stations).

Younis as modified by Miyano et al. and Sakami et al. fails to disclose that the gain factor of the amplifier can be set by the system controller.

Official Notice is taken that the teaching of amplifier gain control in a radio receiver is well known in the art, therefore a person skilled in the art would easily include the teaching of amplifier gain control as to control the signal level for a better processing.

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Consider **claim 4** as applied to claim 1, Younis as modified by Miyano et al. and Sakami et al. discloses characterized in that the real-time circuit can be updated by the system controller (Younis, local clock w-clock 114 is synchronized with GPS time; Miyano et al., figure 1, clock 19d is updated by the CPU 19c).

Consider claim 5 as applied to claim 1, Younis as modified by Miyano et al. and Sakami et al. discloses characterized in that the updating distance can be chosen at will or is fixedly programmed (Miyano et al., page 6 lines 11-14).

Consider **claim 7** as applied to **claim 1**, Younis as modified by Miyano et al. and Sakami et al. discloses characterized in that the receiving unit is a receiving unit for frequency-modulated signals (Miyano et al., page 2, RDS of FM broadcast signal).

Claim 6 is rejected under 35 U.S.C. 103(a) as being unpatentable over Younis (US 2002/0168988) as modified by Miyano et al. (GB 2238438) and Sakami et al. (US Patent 4315332) in view of Eynothen et al. (DE 19536580).

Consider claim 6 as applied to claim 1, Younis as modified by Miyano et al. and Sakami et al. fails to disclose characterized in that the further receiving unit is a receiving unit for amplitude-modulated signals.

In the same field of endeavor, Eynothen et al. disclose receiving time data using amplitude-modulated signals (figure 2, time indication signal DCF77, the DCF77 in the medium wave frequency range (in the AM range)).

Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to incorporate the selection technique taught by Eynothen

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et al. into the art of Younis as modified by Miyano et al. and Sakami et al. as to include

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a receiving unit for receiving amplitude modulated signals as an alternative.

Claims 8-11 are cancelled.

Conclusion

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time

policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE

MONTHS from the mailing date of this action. In the event a first reply is filed within

TWO MONTHS of the mailing date of this final action and the advisory action is not

mailed until after the end of the THREE-MONTH shortened statutory period, then the

shortened statutory period will expire on the date the advisory action is mailed, and any

extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of

the advisory action. In no event, however, will the statutory period for reply expire later

than SIX MONTHS from the mailing date of this final action.

Any response to this Office Action should be faxed to (571) 273-8300 or mailed

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to RuiMeng Hu whose telephone number is 571-270-1105. The examiner can normally be reached on Monday - Thursday, 8:00 a.m. - 5:00 p.m., EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Edward Urban can be reached on 571-272-7899. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

RuiMeng Hu R.H./rh January 31, 2008

> EDWARD F. URBAN SUPERVISORY PATENT EXAMINED TECHNOLOGY CENTER 2641